

**North Texas Municipal Water District  
Water Analysis  
Oct-06**

**Mineral Analysis**

	<u>Raw</u> (mg/L)	<u>Treated</u> (mg/L)	<u>Standards</u> (mg/L)
Residue on Evaporation	586.0	654.0	
Silica (SiO2)	7.01	6.17	
Iron (Fe)	0.194	<0.026	0.3
Calcium (Ca)	46.4	53.0	
Magnesium (Mg)	11.3	15.4	
Sodium (Na)	127	144	
Potassium (K)	6.24	6.16	
Bicarbonates (HCO3)	96.77	75.39	
Carbonates (CO3)	0	0	
Hydroxides (OH)	0	0	
Sulfate (SO4)	132.0	180.0	300
Nitrite (NO2)	<0.02	<0.02	
Nitrate (NO3)	0.128	<0.04	
Chloride (Cl)	203.0	200.0	300
Fluoride (F)	0.41	0.56	2
Phosphates (PO4)	0.0784	<0.01	

	(mg/L as CaCO3)	(mg/L as CaCO3)	(mg/L as CaCO3)
Total Alkalinity	79	62	
Phenolphthalein Alkalinity	0	0	
Noncarbonate Hardness	116	145	
Total Hardness	196	207	
Langelier Index		0.6	

**Trace Element Analysis**

	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	<0.00326	<0.00326	0.05
Barium (Ba)	0.0806	0.0715	1
Cadmium (Cd)	<0.000229	<0.000229	0.01
Chromium (Cr)	<0.00279	<0.00279	0.05
Copper (Cu)	0.0059	0.0335	1
Iron (Fe)	0.194	<0.026	0.3
Lead (Pb)	0.000199	0.000038	0.05
Manganese (Mn)	0.0409	0.0064	0.05
Mercury (Hg)	<0.0001	<0.0001	0.002
Nickel (Ni)	0.00343	0.00348	0.1
Selenium (Se)	<0.00159	<0.00159	
Silver (Ag)	<0.000013	<0.000013	0.05
Zinc (Zn)	0.00556	0.00581	5

**Other Analyses**

Chlorine Residual (mg/L)		3.02	
Total Coliform (Present/Absent)	P	A	
pH (Standard Units)	706	8.1	6.5-8.5

Specific Conductance (Umhos)	999	1110	
Turbidity (NTU)	6.73	0.12	0.3
Threshold Odor Number	35E	1C	3